

Title (en)

METHOD FOR ISOLATING HFC-245cb AND (E)-HFO-1234ze FROM COMPOSITION CONTAINING BOTH COMPOUNDS

Title (de)

VERFAHREN ZUR ISOLIERUNG VON HFC-245CB UND (E)-HFO-1234ZE VON EINER ZUSAMMENSETZUNG MIT BEIDEN VERBINDUNGEN

Title (fr)

PROCÉDÉ PERMETTANT D'ISOLER HFC-245cb ET (E)-HFO-1234ze À PARTIR D'UNE COMPOSITION CONTENANT CES DEUX COMPOSÉS

Publication

**EP 3222607 A4 20180530 (EN)**

Application

**EP 15862093 A 20151112**

Priority

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- JP 2015081898 W 20151112

Abstract (en)

[origin: EP3222607A1] The present invention provides a method for separating HFC-245cb and (E)-HFO-1234ze having close boiling points, i.e., boiling points with only 1 °C difference, by extractive distillation from a composition containing the HFC-245cb and the (E)-HFO-1234ze. More specifically, the present invention is a method for separating HFC-245cb and (E)-HFO-1234ze from a composition containing the HFC-245cb and the (E)-HFO-1234ze, the method comprising subjecting the composition to extractive distillation using at least one extractant selected from the group consisting of halogenated hydrocarbons, halogenated unsaturated hydrocarbons, nitriles, ketones, carbonates, alcohols, hydrocarbons, esters and ethers.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **C07C 17/386** + **C07C 19/08**
2. **C07C 17/386** + **C07C 21/18**

Citation (search report)

- [I] US 2012041239 A1 20120216 - SUZUKI ATSUSHI [JP], et al
- See references of WO 2016080283A1

Cited by

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